JS 9/13/21
RJA 2/17/22

Chemistry Report for Case # P-18-0284

General

Submitter: [redacted]

Contact: [redacted] **Contact Telephone No.:** [redacted]

TS No.: UV47X9

Chemist: Lin, D. **Contractor Support:** Y

PV Init (kg/yr): [redacted] **PV Max (kg/yr):** [redacted]

Binding Option: ☐ **Exposure-Based Review:** ☑

Manufacture: [redacted] **Import:** ☐

CAS Number: None

Chemical Name [redacted]

Trade Name: [redacted]

IES Order: [redacted]

Generic Name: Inorganic acid, reaction products with alkyl alcohol

Chemical Structure

[redacted]

Physical Chemical Properties

Molecular Formula: [redacted]	**Molecular Weight** [redacted]
% < 500:	**% < 1000:**
MP:	**MP Estimate:**
BP:	**BP Pressure:**
BP Estimate:>500	
VP (Torr):	**VP Estimate (Torr):**<0.000001
Water Solubility (g/L):	**Water Soluble Estimate (g/L):**<0.000001/Reacts
Log P:	**Log P Estimate:**22.41
Physical State — Neat: [redacted]	**Physical State — Manuf:**Solution: 90-93% PMN substance with [redacted]

Physical State — Processing: Solid blend: [redacted]% PMN substance [redacted]

Physical State — End Use: Solid blend: [redacted]% PMN substance in plastic composite pellets

Additional Chemical Info

The submitter provides the following composition: [redacted] The MF, MW and estimated values above are for the top triester.
Submitted Data: Light yellow [redacted]; WS < 10 g/L (MSDS); density = 0.97 g/cm3.
Estimated Data for top triester [EPI with MP = 20°C, MF = [redacted] MW = [redacted], [redacted] BP = 694.57°C; VP = 1.26E-12 torr; WS = 3.30E-21 g/L; log P = 22.41.
Estimated Date for bottom diester [EPI with MP = 20°C, MF = [redacted], MW = [redacted], [redacted]: BP = 539.62°C; VP = 1.13E-11 torr; WS = 3.07E-13 g/L; log P = 14.77.
The PMN is expected to hydrolyze with a half-life of days to give [redacted]

Uses

Consumer Use? No
Use: [redacted].
Other Uses: Analogues [redacted]; Analogue [redacted]

Reaction Description

[redacted]

Pollution Prevention Analysis(P2 Analysis:)

None.

Analogs

Analogues: [redacted]

Comments/Telephone Log

Artifact	Update/Upload Time
[redacted]	[redacted]